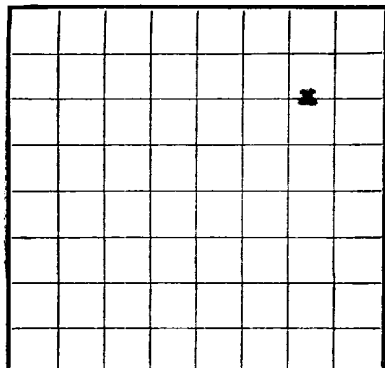


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079491
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

4-0300
1-Johnston UNITED STATES
2-J. J. Allison DEPARTMENT OF THE INTERIOR
2-1 Case GEOLOGICAL SURVEY
1-File
Corrected Copy

LOG OF OIL OR GAS WELL

Company Pacific Northwest Pipeline Corp. Address 413 E. 1st St., Fargo, N.D.
Lessor or Tract Unit 27-5 Field Alamo State New Mexico
Well No. 1-11 Sec. 11 T. 27 R. 5 Meridian N. 100.000' County De Arriba
Location 990 ft. S. of Line and 990 ft. W. of Line of East 11 Elevation 7512
(Derrick base relative to sea level)The information given herewith is a complete and correct record of the well and ~~work done~~ thereon
so far as can be determined from all available records. Original signed by T. A. Dugan
Signed _____Date 4-18-56 Title District Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling 1-6, 19 56 Finished drilling 2-17, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4.7, 604.2 to 604.2 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10-7/8</u>	<u>32.75</u>	<u>3.4</u>	<u>None</u>	<u>1000.0</u>	<u>None</u>	<u>Surface</u>			
<u>7-7/8</u>	<u>24.6</u>	<u>3.4</u>	<u>None</u>	<u>1000.0</u>	<u>None</u>	<u>Surface</u>			
<u>5-1/2</u>	<u>18.5</u>	<u>3.4</u>	<u>None</u>	<u>1000.0</u>	<u>None</u>	<u>Surface</u>			
<u>3-1/2</u>	<u>11.7</u>	<u>3.4</u>	<u>None</u>	<u>1000.0</u>	<u>None</u>	<u>Surface</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-7/8</u>	<u>232</u>	<u>100</u>	<u>None</u>	<u>None</u>	
<u>7-7/8</u>	<u>493</u>	<u>100</u>	<u>None</u>	<u>None</u>	
<u>5-1/2</u>	<u>671.00</u>	<u>100</u>	<u>None</u>	<u>None</u>	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19 _____ Put to producing _____, 19 _____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3735	3735	Surface
3735	3915	180	Ojo Alamo-sand
3915	4150	235	Hirtland-shale
4150	4359	209	Fruitland-interbedded sand, shale and coal
4359	4452	93	Mixed Cliffs-sand
4452	5932	1480	Lois-shale
5932	6126	194	4.7. Transition-sand with shale
6126	6182	56	Cliff House-sand
6182	6335	153	Hemlock-interbedded sand, shale and coal
6335	6732	397	Point Lookout-sand
6732			Total depth
668			Logged back Total depth

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

615-6612. Frac 1-1 by Jewell w/4,000 gals water only. 8-640, avg 1000, Max 1150. Final 1000, to vacuum. Avg I.R. 61. CYRAC RECORD 6640' and perf. 6596-6576, 6572-6568, 6564-6540. Frac 2-1 by Jewell w/42,000 gals water and 25,000+ 2040 sand. 8-1000, avg 800, max 900, final 200, to vacuum. Avg I.R. 64.3 B.V. Cleaned out to T.L. washed back retrievable to 652' with tubing. Tested in an casing with 1500'. Perf 6492-6466, 6433-6436, 6410-6412, 6408-6396, 6398-6294, 6246-6242, 6226-6212. Frac 3-1 by Jewell w/42,000 gals water only. 8-1900, avg 1300, Max 1920, Final 1400, standing 200 in 6 minutes. Avg I.R. 47.9 B.V. at 6523'. Perf 6182-6168, 6162-6152, 6142-6142, 6134-6126, 6118-6114, 6078-6077, 6062-6052, Frac 4-1 by Jewell w/42,000 gals water only. 8-1900, avg 1050, Max 1800, Final 1100, standing zero in 10 minutes. Avg I.R. 55.5 B.V. Retrieved 50'. Cleaned out to T.L. 6542. 1' of 2-3/4" tubing. 8-6555. 40' cleaned rig. 1010 a.m. 2-17-56.

Continued from page 3

FINISHED QUANTITY

Each episode is devoted to a different and not always obvious condition of the lower extremities.

Date:

J. 419

[illegible]

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

TO THE HONORABLE SECRETARY OF THE INTERIOR, WASHINGTON, D. C.

1. NAME OF THE PARTY: DEMOCRATIC PARTY

19. 201. 01. 2000

F.10.10

248.

Summary

799623

DOI: 10.1002/anie.201100000

FOCALE VERTICOLIS

[illegible]

TOC OF OIG OK CVD METT

GEOLOGICAL ZONALIZATION

DELYBLWENT OF THE ALLEGION

UNITED STATES

THE HOUSE OF COMMONS

THE JOURNAL OF THE

UNCLASSIFIED

2007年12月10日 星期日
 2007年12月10日 星期日